



NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. REFER TO LANL FACILITY CONSTRUCTION SPECIFICATIONS SECTION 15180, HYDRONIC PIPING.
2. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ENGINEERING STANDARDS MANAUL MECHANICAL POC.
3. THE COIL AND CONTROL VALVE MANUFACTURER'S RECOMMENDATION SHOULD BE CONSULTED FOR SPECIFIC REQUIREMENTS.
4. COIL PIPING TO BE INSTALLED COUNTERFLOW. SUPPLY WATER ENTERS COIL ON THE LEAVING AIR SIDE, RETURN WATER LEAVES COIL ON ENTERING AIR SIDE.
5. USE HOT WATER COIL PIPING DETAIL ON SHEET 6 TO ACHIEVE CONSTANT FLOW FOR COILS EXPOSED TO FREEZING AIR.
6. VALVE PORT MARKING ON THE STANDARD DRAWINGS ARE NOTED AS NC (NORMALLY CLOSED), NO (NORMALLY OPEN), AND C (COMMON). THE FOLLOWING TABLE IS A CROSS REFERENCE OF OTHER POSSIBLE PORT MARKINGS.

PORT MARKINGS		
NC	NO	C
A	B	AB (OUTLET)
1	2	3

DRAWING DEVELOPED FOR ML-3/
ML-4 PROJECTS. FOR ML-1/
ML-2, ADDITIONAL REQUIREMENTS
AND QA REVIEWS ARE REQUIRED.
(REMOVE THIS NOTE WHEN IN-
SERTED INTO A DRAWING PACK-
AGE).

1	6-14-03	U	REVISED TO COMPLY WITH DRAFTING MANUAL, REVISED NOTES FOR DESIGNER AND DWG NO. WAS ST6121.	RP	AB	JM	GG	TO
NO	DATE	CLASS REV	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
 FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES								
ENGINEERING STANDARDS MANUAL				DRAWN R. PEARSON				
CHILLED/HOT WATER COIL PIPING DETAIL DESIGN NOTES				DESIGN A. BRIDGE				
				CHECKED G. GREWAL				
				DATE 6-28-99				
BLDG X TA-X				APPROVED FOR RELEASE				
SUBMITTED DISCIPLINE POC: GURINDER GREWAL				STANDARDS MANAGER: TOBIN ORUCH				
 P.O. Box 1663 Los Alamos, New Mexico 87545				SHEET 11 OF 11				
CLASSIFICATION U				REVIEWER LARRY BAYS		DATE		
PROJECT ID				DRAWING NO		REV 1		
CHAPTER 6				ST-D30GEN-2				